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TALENT-WHENHOLE
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~~TOP SECRET RUFF~~

TCS 8175/64
M/EB 452/64
14 September 1964
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MEMORANDUM FOR: Chief, Defensive Systems Division, OSI

ATTENTION: [REDACTED] Anti-Ballistic Missiles Branch

THROUGH: Chief, Requirements Branch, Reconnaissance Group, COS

FROM: Chief, CIA/PID (NPIC)

SUBJECT: ABM Electronics

REFERENCES: (a) Requirement C-SI-4-81,710
(b) CIA/PID Project C 1338-64
(c) PID/MEB Memorandum 430/64 (Angarak Electronics Site)
TCS 7713/64 (TOP SECRET RUFF CHSBS DINAR)
25X1C (d) PIC/JR-1010/61, April 1961 (SECRET NO FOREIGN
DISSEM, [REDACTED])
25X1A (e) SC-02755/60, July 1960 (TOP SECRET DALET CHSBS
[REDACTED])

1. This memorandum is in partial response to your requirement dated 19 August 1964 requesting the latest, best information in written form on possible Soviet phased array radars, to include:

a. Bearings of normal to face for all HEN HOUSES, HEN ROOSTS, and the DOGHOUSE.

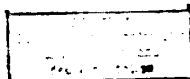
b. Interpretation of any changes to HEN HOUSE (Radar Site 1, Sary Shagan Anti-Missile Test Center) between [REDACTED] and a statement regarding the possibility of negating photo coverage of the HEN HOUSE face within that time period.

25X1D c. Interpretation of possible cooling ponds at Sary Shagan Anti-Missile Test Center Radar Site 2, including a statement regarding activity on [REDACTED]

d. Detailed dimensions of the two HEN ROOSTS with particular attention to height.

2. a. The bearings of normal to face for all HEN HOUSES and the DOGHOUSE can be found, in graphic form, as Attachment 8 to PID/MEB Memorandum 430/64 (Angarak Electronics Site) TCS 7713/64 (as qualified). The bearing of normal to face for HEN ROOST North is shown on page 57 of PIC/JR-1010/61 as [REDACTED] degrees. Report SC-02755/60 indicates that the two antennas are parallel, thus the bearing of normal to face would be the same for HEN ROOST

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South. Both of these reports were based on TALENT photography of [REDACTED]. However, since some disagreement does exist concerning the orientation of the two HEN ROOSTS, the problem is presently under study utilizing the latest KEYHOLE photography. Results of this study should be available shortly.

b. The latest detailed interpretation of the HEN HOUSE (Radar Site 1), including answers to those questions listed in this requirement, can be found on pages 1-3 of FID/MEB Memorandum 430/G (Angarak Electronics Site) TCS 7713/G. No changes, in addition to those mentioned in the above, were observed by this analyst.

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c. [REDACTED], the Sary Shagan area was completely covered by a mantle of snow, and none of the usual signs of activity (i.e. personnel or vehicular traffic) were visible in the vicinity of Radar Sites 1 or 2. Activity was visible at certain locations in the Sary Shagan area on that date, notably at Sary Shagan Airfield.

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The two round dark objects seen near HEN ROOST South on [REDACTED] are probably cooling ponds. The dark appearance which existed at this time indicates that they were filled, and that they were not frozen over. This suggests that a heat-dissipation activity was in progress, which further suggests the possibility of HEN ROOST South being operational at that time.

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It is noteworthy that this situation did not exist on [REDACTED]. Again the terrain was snow-covered; however, the opaque appearance in the cooling ponds, suggestive of water, was not present. From the appearance, it is possible that the ponds were largely frozen over or they had been drained, and were partially filled with snow.

d. Dimensions of the two HEN ROOSTS, utilizing recent good-quality KEYHOLE photography, are currently in progress. These dimensions, while not available at this writing, will be forwarded as soon as possible.

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3. The photo analyst on this project is [REDACTED] who may be contacted on extension 2079 should you have any further questions concerning this project.

4. This project is not considered to be complete.

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